AUTODOC CLUB

How to change spark plugs on **AUDI A8 (4E2, 4E8)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

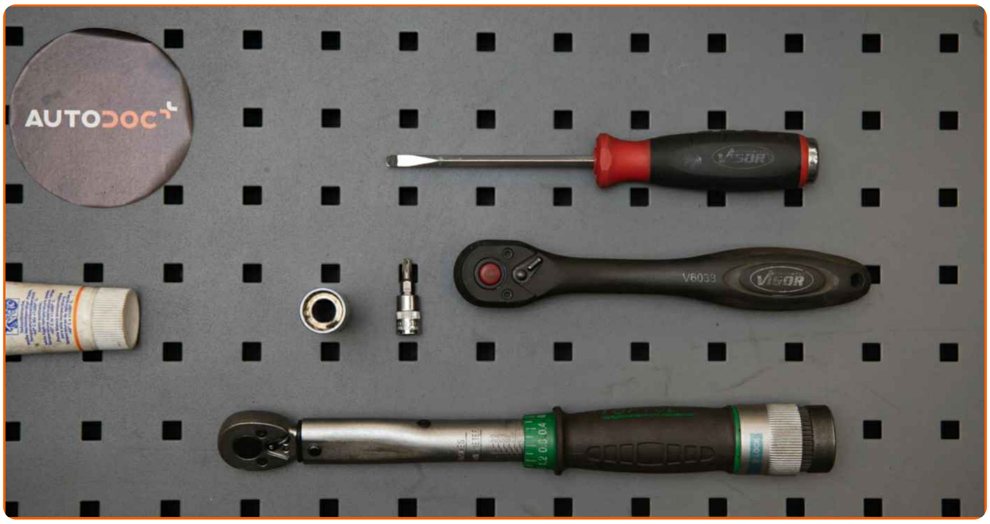
Important!

This replacement procedure can be used for:
AUDI A8 (4E2, 4E8) 3.0

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: AUDI A6 Avant (4B5, C5) 2.4

REPLACEMENT: SPARK PLUGS – AUDI A8 (4E2, 4E8). TOOLS YOU MIGHT NEED:



- High-temperature anti-seize lubricant
- Torque wrench
- Spark plug socket # 16
- Torx bit T25
- Ratchet wrench
- Flat screwdriver
- Fender cover

Buy tools

Replacement: spark plugs – AUDI A8 (4E2, 4E8). AUTODOC experts recommend:

- The replacement procedure is the same for all spark plugs.
- All work should be done with the engine stopped.

REPLACEMENT: SPARK PLUGS – AUDI A8 (4E2, 4E8). TAKE THE FOLLOWING STEPS:

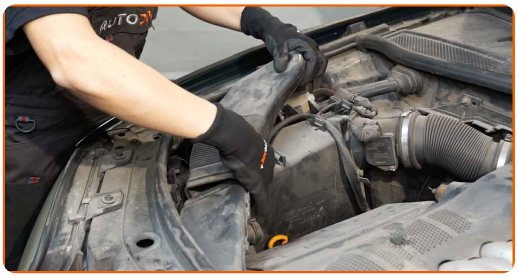
1. Open the hood.

2. Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3. Unscrew the fasteners of the air distribution housing assembly. Use a Phillips screwdriver.



4. Remove the air distribution housing assembly.



5 Unscrew the engine cover fastener. Use a flat screwdriver.



6 Remove the engine cover.



AUTODOC recommends:

- Replacement: spark plugs – AUDI A8 (4E2, 4E8). Do not use excessive force when removing the part as this may damage it.

7 Unscrew the engine cover fastener. Use a flat screwdriver.



8

Remove the engine cover.



Replacement: spark plugs – AUDI A8 (4E2, 4E8). Professionals recommend:

- Do not apply excessive force when removing the part. Otherwise you may damage it.

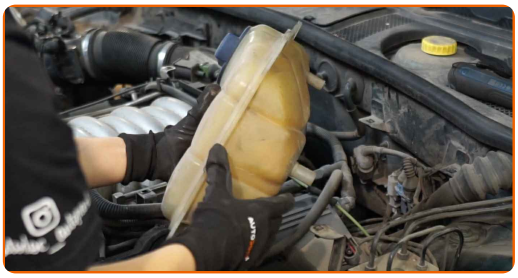
9

Unscrew the fasteners of the coolant reservoir. Use Torx T25. Use a ratchet wrench.

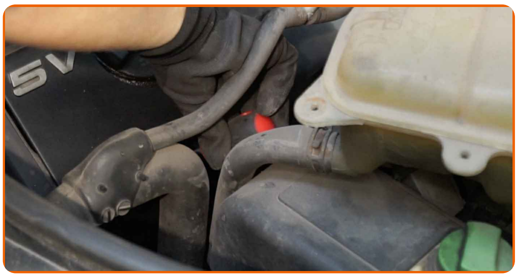


10

Remove the coolant reservoir.



11 Unscrew the engine cover fastener. Use a flat screwdriver.



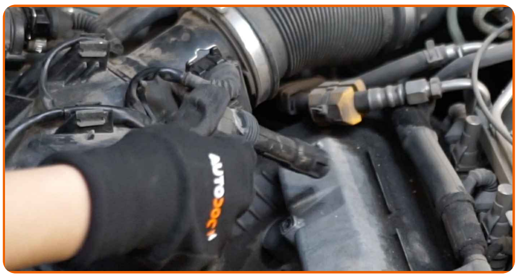
12 Remove the engine cover.



AUTODOC recommends:

- Replacement: spark plugs – AUDI A8 (4E2, 4E8). To avoid damaging the part when removing it, do not use excessive force.

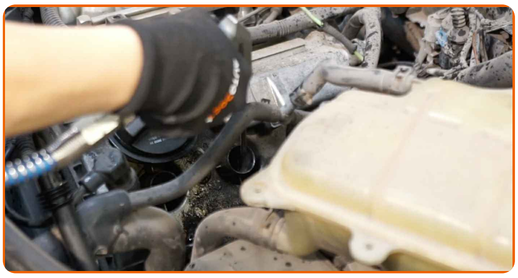
13 Remove the spark plug wire connectors from the spark plug wells.



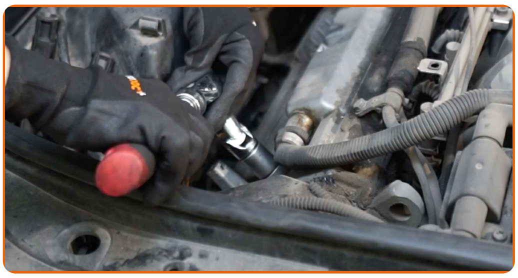
Replacement: spark plugs – AUDI A8 (4E2, 4E8). Professionals recommend:

- Be careful to avoid damaging spark plug wires.
- Remember the sequence of the spark plug wires connectors.

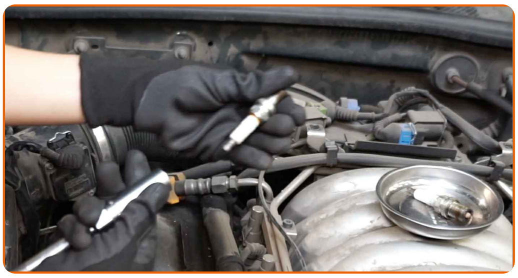
14 Clean dirt, dust and debris from inside the spark plug wells.



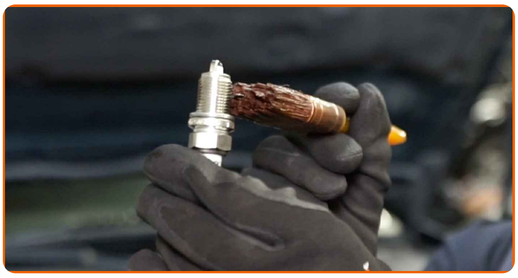
15 Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



16 Take out the spark plugs.



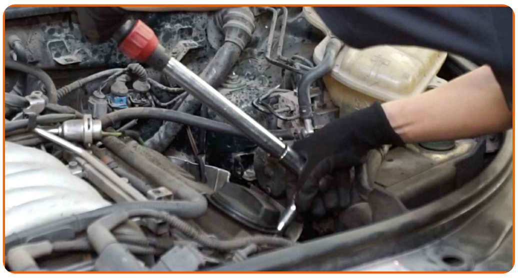
17 Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs.



18 Install the new spark plugs into their mounting seats. Use the spark plug socket #16.



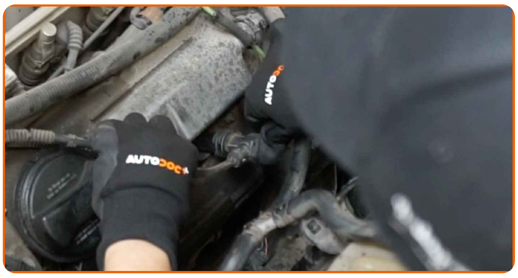
19 Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 24 nm torque.



Replacement: spark plugs – AUDI A8 (4E2, 4E8). AUTODOC experts recommend:

- Don't tighten the plugs with excessive force. Exceeding tightening torque can damage the thread connection.
- Be careful when working with a spark plug wrench. Its skewing can cause damage to the threaded connection.

20 Install the spark plug wire connectors into the spark plug wells. Make sure you hear a click indicating that it is locked in place.



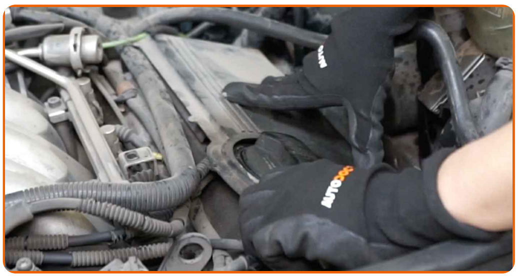
Replacement: spark plugs – AUDI A8 (4E2, 4E8). Tip:

- Follow the installation sequence.

21 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.

22 Shut off the engine.

23 Install the engine cover and secure it.

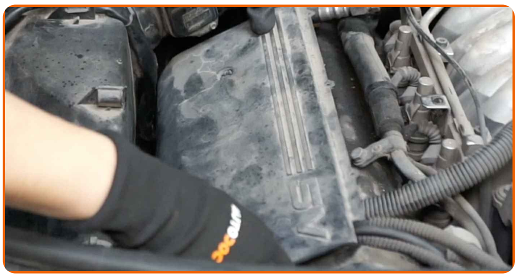


Replacement: spark plugs – AUDI A8 (4E2, 4E8). AUTODOC experts recommend:

- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners.
- Replacement: spark plugs – AUDI A8 (4E2, 4E8). To avoid damaging the part during installation, do not use excessive force.

24 Screw in the engine cover fasteners. Use a flat screwdriver.

25 Install the engine cover and secure it.



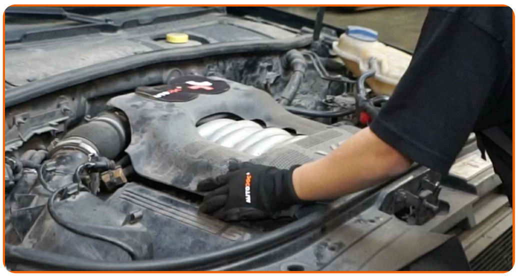
AUTODOC recommends:

- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners.
- Replacement: spark plugs – AUDI A8 (4E2, 4E8). Do not use excessive force during installation. This may damage the part.

26 Screw in the engine cover fasteners. Use a flat screwdriver.



27 Install the engine cover and secure it.



AUTODOC recommends:

- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners.
- Replacement: spark plugs – AUDI A8 (4E2, 4E8). Do not use excessive force during installation. This may damage the part.

28 Screw in the engine cover fasteners. Use a flat screwdriver.



29 Reinstall the air distribution housing assembly.



30 Screw in the fasteners of the air distribution housing assembly. Use a Phillips screwdriver.



31 Install the coolant reservoir.

32 Screw in the coolant reservoir fasteners. Use Torx T25. Use a ratchet wrench.



33 Remove the fender protection cover.

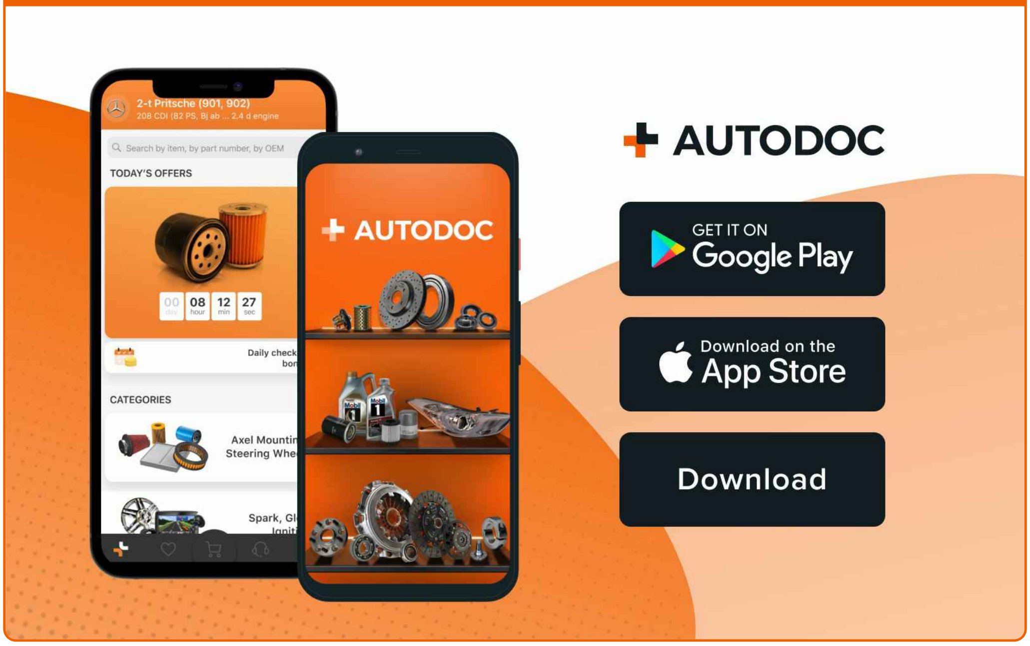
34 Close the hood.

WELL DONE!

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SPARK PLUGS: A WIDE SELECTION

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